

CLAIMS

What is claimed is:

1. A power tool control system, comprising:
a non-contact measurement and alignment device operative with a power tool for determining power tool settings;
a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of said power tool for indicating at least two of a power tool setting; and
a display menu which logically relates folders providing power tool setting options and readouts of current settings.
2. The power tool control system of claim 1, wherein the graphical user interface provides pictographic display menus.
3. The power tool control system of claim 1, wherein the graphical user interface comprises selectors, for user operation of said power tool, correlated to a plurality of tabs displayed on the display menu.
4. The power tool control system of claim 1, wherein the non-contact measurement and alignment device includes a kerf correction.
5. The power tool control system of claim 1, wherein the graphical user interface comprises a touch screen for user operation of said power tool.
6. The power tool control system of claim 1, wherein the graphical user interface is a hand held graphical user interface.

7. A table saw, comprising:
 - a. a frame coupled with a table, said table having an aperture;
 - b. a trunion moveably and operatively connected to said frame, said trunion supporting a blade and drive assembly, said blade capable of being operatively extended from said table aperture, said blade being operatively tilted in at least one axis tangent to said table;
 - c. a fence moveably coupled with said table and generally moveable parallel to said blade;
 - d. a non-contact measurement and alignment device operative with said table saw, the non-contact measurement and alignment device for determining at least two of a table saw setting: (i) blade height, (ii) blade angle, and (iii) fence to blade distance; and
 - e. a graphical-user-interface communicatively coupled with the non-contact measurement and alignment device, the graphical-user-interface for user operation of said table saw for indicating at least two of a table saw setting: (i) blade height, (ii) blade angle, and (iii) fence to blade distance.
8. The table saw of claim 7, wherein said graphical-user-interface includes both text and graphics.
9. The table saw of claim 7, wherein said graphical-user-interface includes multiple pages.
10. The table saw of claim 7, wherein said multiple pages of said graphical-user-interface are logically related in related folders.
11. The table saw of claim 7, wherein said graphical-user-interface includes at least one page illustrating (i) blade height, (ii) blade angle, and (ii) fence to blade distance.

12. A bevel angle indication assembly for a table saw with a saw blade coupled with a beveling assembly, comprising:
 - a non-contact measurement and alignment device for determining at least two of a table saw setting;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of said table saw for indicating a saw blade bevel setting; and
 - a display menu which logically relates folders providing table saw setting options and readouts of current settings.
13. A saw blade height indication assembly for a table saw with a saw blade coupled with a blade height adjustment assembly, comprising:
 - a non-contact measurement and alignment device for determining at least two of a table saw setting;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of said table saw for indicating a saw blade height setting; and
 - a display menu which logically relates folders providing table saw setting options and readouts of current settings.
14. A bit height indication assembly for a router table with a router bit engaged by a router coupled with a height adjustment assembly, comprising:
 - a non-contact measurement and alignment device for determining at least two of a router table setting;
 - a graphical user interface communicatively coupled with the non-contact measurement and alignment device, the graphical user interface for user operation of said router table for indicating a router bit height setting; and
 - a display menu which logically relates folders providing router table setting options and readouts of current settings.

15. A non-contact measurement and alignment device for determining at least two settings for operation of a power tool, comprising:
 - a graphical user interface for user operation of said power tool for indicating at least two of a power tool setting;
 - a touch screen display communicatively coupled with the graphical user interface, the touch screen display for user operation of said graphical user interface; and
 - a selector assembly operably disposed upon said touch screen display, the selector assembly for logically relating menus of power tool control options.
16. A non-contact measurement and alignment device for determining at least two settings for operation of a power tool, comprising:
 - a graphical user interface for user operation of said power tool for indicating at least two of a power tool setting;
 - an adjustable display coupled with the graphical user interface, the adjustable display for presenting the a display screen at various angles,
 - wherein the display screen may be adjusted to enable visual monitoring by a user.
17. A non-contact measurement and alignment device for determining at least two settings for operation of a power tool, comprising:
 - a graphical user interface for user operation of said power tool for indicating at least two of a power tool setting;
 - a wireless networking assembly coupled with the graphical user interface, the wireless networking assembly for establishing a communicative link between the graphical user interface and a second computing system,
 - wherein the wireless networking assembly enables a user of the non-contact measurement and alignment device to operate the power tool remotely.
18. A graphical user interface for user operation of a power tool coupled with a non-contact measurement and alignment device, comprising:

a housing;

a computing assembly, including a memory coupled with a processor, disposed in the housing, the computing assembly for providing information handling capabilities;

a computer application stored in the memory and accessed by the processor for determining at least two settings for operation of the power tool;

a display screen communicatively coupled with the computing assembly and disposed on the housing, the display screen for indicating at least two of a power tool setting;